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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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SECRET [redacted] 25X1

COUNTRY	East Germany	REPORT	[redacted]
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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

[redacted]

1. Turbines ordered for the following electric power stations in East Germany under the 1954 plan have already been delivered or will be delivered during December 1954:

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Vockerode (Dessau)	3 x 32 MW
Trattendorf III (1) (Spremberg)	1 x 25 MW
Stalinstadt (Fuerstenberg)	2 x 25 MW
Calbe	2 x 12.5 MW; 1 x 8 MW
Breitscheid (Halle)	1 x 12.5 MW
Hirschfelde	1 x 50 MW (2)(3)
Lauta	2 x 12.5 MW (2)
Mansfeld	1 x 12.5 MW
Lauchhammer	2 x 12.5 MW
Heiz Kraft Werk, Dresden	1 x 32
Jonny Scheer, Laubusch (4)	2 x 12.5 MW; 1 x 8 MW
Sonne (Freienhufen) (4)	1 x 20 (2)
Faserwerk Griebnitz	1 x 2
Zuckerfabrik Delitzsch	1 x 6.4
Lederfabrik, Neustadt (Schwerin)	1 x 2
Zellstoffwerk, Merseburg	1 x 3.2
Sprengstoffwerk, Schoenebeck	1 x 2
Heizkraftwerk, Stalinallee Berlin	1 x 2

2. Steam pressure boilers for the following power stations have been delivered or will be delivered by 31 December 1954:

Station	Number and capacity in ton/hours	Makers
Vockerode	2 x 80	VEB Karl Liebknecht (formerly Buckau-Wolf) Magdeburg
Trattendorf III	1 x 125	VEB Dampfkesselbau Meerane
Stalinstadt	6 x 64	Bergmann Borsig Berlin

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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

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Station	Number and capacity in ton/hours	Makers
Calbe	3 x 64	
Breitscheid	2 x 64	
Lauta	3 x 64	Remodelled by Kohlenscheidungsgesellschaft (KSG), Zeitz
Mansfeld	2 x 64	VEB Dampfkesselbau Hohenthurm
Boehlen	1 x 150	VEB Dampfkesselbau Hohenthurm
Lauchhammer	4 x 64	
Jonny Scheer, Laubusch	7 x 40	Bergmann Borsig Berlin
Sonne (Freienhufen)	2 x 80	VEB Dampfkesselbau Hohenthurm
Faserplattenwerk Griebnitz	2 x 12	
Zuckerfabrik Delitzsch	3 x 32	VEB Dampfkesselbau Meerane

3. Deliveries of turbines in 1955 and 1956 are planned as follows:

Power Plant	Number and capacity (in MW) 1955	1956
Vockerode	4 x 32	2 x 32
Trattendorf I(5)	5 x 25	2 x 75 (6)
Stalinstadt	2 x 12.5	1 x 12.5
Leipzig (Dimitroff)		1 x 25 (7)
Hirschfelde		1 x 25
Zschornewitz		2 x 25
Pirna		3 x 12.5 (7) 1 x 8
Zittau		1 x 5 ;1 x 2
Rodleben		2 x 3.2
Espenhain		1 x 50 (8)
Leuna		3 x 25(7) 1 x 15
Bitterfeld (Elektrochemisches Kombinat)	1 x 25	
Luetzkendorf	1 x 12.5	
Schwarzheide	1 x 12.5	
Dresden (Nord)	1 x 8	
Dresden (Cotta)	1 x 1	
Farbenfabrik Wolfen	1 x 8	

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Power Plant	Number and capacity (in MW) 1955	1956
Sprengstoffwerk Schoenebeck	1 x 1	
Eilenburg	1 x 4	
Heide (Welzow)		2 x 3.2

4. The capacity of the following stations will be developed during 1955 - 1956:

Power station	Planned capacity in MW	Anticipated date of completion
Thermo Plants		
Plauen	8	August 1955
Forst	8	1955
Bleicherode	8	September 1955
Rossleben	8	October 1955
Zellstoffwerk, Rosenthal	8	October 1955
Muldenstein (Reichsbahn)	16 2/3	December 1955
Kirchmoeser	8	June 1955
Heizkraftwerk Stalinallee, Berlin	8	July 1955
Hydroplants		
Ragulen	2.2	September 1956
Rappbode	3	July 1956
Rothenburg	0.5	March 1956
Lossmuehle	0.3	May 1956
Borstendorf	0.7	July 1956

5. Shortage of Durex oil (an essential for power cables) is holding up work on the 110 KW grids at Trattendorf III, Muldenstein, Hirschfelde and Boehlen; a total of 30 tons are required. Several attempts have been made to acquire this abroad, but only 6 tons have so far been obtained 25X1 Another bottleneck is condenser tubes: 120 tons made of MS 70 alloy have been acquired 25X1 for direct dispatch, while a further 100 tons are being sent 25X1

6. Research on gas turbines is being carried out at EKM (Energie und Kraftmaschinenbau) Halle by Oberingineur Weisleder and Major Fink of the Ministry of the Interior. Experiments in the use of extra large steam turbines are being carried out by Dipl. Ing. Kuse at the VEB Dampfturbinen und Generatorenbau Berlin. Use of high pressure boilers as allegedly used in the USSR (500 - 600° C developing pressures of 160 atmospheres) is planned for 1958. 25X1

7. Three Soviet advisers have recently been appointed to the Ministry of Machine Construction, one for each of the main groups. For the Electrical and Power Machine Construction Area, under Deputy Minister Erich Apel, the adviser is Shadilov (fnu). At Bergmann Borsig the recently appointed Soviet adviser is Dolyansky (fnu) 25X1

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[redacted] Comments: 25X1

1. Trattendorf III is the medium pressure plant. No work is at present being carried out on I (the high pressure plant) although it is planned for 1956. There are apparently no plans for Trattendorf II which is the brown coal plant. Boilers are on order [redacted] 25X1
25X1

2. Supplied by VEB Goerlitzer Maschinenfabrik Goerlitz. 25X1

3. The generator for the turbine is to come from the West. [redacted]
25X1

4. Formerly part of Ilse Bergbau AG.

5. High pressure plant.

6. Boilers for this project are to be delivered [redacted] 25X1

7. The project is doubtful.

8. Water-cooled boilers to be supplied [redacted] 25X1

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